| TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))  |  |   |  | Docket No.<br>128496-1  |  |  |
|--|--|---|--|---|--|--|
| n Re Application Of: Sivakumar, et al.   |  |   |  |   |  |  |
| Filing Data  | Francisco  | Customer No.  | Crown Art Harit  | O sefermed in a New   |  |  |
| _  |  |   |  |   |  |  |
|  |  | L   |  | 1487  |  |  |
| CO SOLUTION OF THE COLUMN OF T | RAGE MEDIOM, METHOD F  | OK WAKING   | THE SAME   |   |  |  |
| ARREST CONTRACTOR OF THE PARTY  | P.O. Box 1450  |   |  |   |  |  |
|  | 37 CFR 1.97(b)   |   |  |   |  |  |
| The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.   |  |   |  |   |  |  |
|  |  |   |  |   |  |  |
| 2.  The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:  |  |   |  |   |  |  |
| ☐ the statement specified in 37 CFR 1.97(e);   |  |   |  |   |  |  |
| OR   |  |   |  |   |  |  |
| fee set forth in 37 CF   | R 1.17(p).   |   | ·  |   |  |  |
|  | Filing Date July 15, 2003  TAY OPTICAL STO  The state of the date of entry before the mailing or the filing of a requent that on under 37 CFR 1 closes prosecution in statement specified in the statement specifi | (Under 37 CFR 1.97(b) or 1.97(c))  f: Sivakumar, et al.  Filing Date Examiner July 15, 2003 NYA  Address to: Commissioner for Paten P.O. Box 1450 Alexandria, VA 22313-14  37 CFR 1.97(b)  nation Disclosure Statement submitted herewith is benefit application other than a continued prosecution this of the date of entry of the national stage as set; before the mailing of a first Office Action on the mailing of a request for continued examination unit of the discourse Statement submitted herewith is the filing of a request for continued examination unit of the discourse Statement submitted herewith is the provided that the Information Disclosure Statement on under 37 CFR 1.113, a Notice of Allowance closes prosecution in the application, and is accomposite attement specified in 37 CFR 1.97(e); | (Under 37 CFR 1.97(b) or 1.97(c))  f: Sivakumar, et al.  Filing Date July 15, 2003  NYA  Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450  37 CFR 1.97(b)  nation Disclosure Statement submitted herewith is being filed withinal application other than a continued prosecution application under so the date of entry of the national stage as set forth in 37 CFR; before the mailing of a first Office Action on the merits, or before rethe filing of a request for continued examination under 37 CFR 1.  37 CFR 1.97(c)  nation Disclosure Statement submitted herewith is being filed after by, provided that the Information Disclosure Statement is filed be on under 37 CFR 1.113, a Notice of Allowance under 37 CFR closes prosecution in the application, and is accompanied by one of statement specified in 37 CFR 1.97(e); OR | (Under 37 CFR 1.97(b) or 1.97(c))  f: Sivakumar, et al.  Filing Date July 15, 2003 NYA 43248 2855  Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450  37 CFR 1.97(b)  nation Disclosure Statement submitted herewith is being filed within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an in the filing of a request for continued examination under 37 CFR 1.114.  37 CFR 1.97(c)  nation Disclosure Statement submitted herewith is being filed after the period specific provided that the Information Disclosure Statement is filed before the mailing of a request for continued examination under 37 CFR 1.114.  37 CFR 1.97(c)  nation Disclosure Statement submitted herewith is being filed after the period specific provided that the Information Disclosure Statement is filed before the mailing on under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Actor of the provided in 37 CFR 1.97(e); OR |  |  |

| TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c)) |  |   | Docket No.<br>128496-1                            |   |   |  |  |  |  |  |
|---|--|---|---|---|---|--|--|--|--|--|
| In Re Application of  | Sivakumar, et a  | 1.  |   |   |   |  |  |  |  |  |
| Application No.   | Filing Date  | Examiner Customer No.   |   | Filing Date Examiner Custome                                  |   | er Customer No. Group Art Unit Confirmation No |  |  |  |  |
| 10/619,642  | July 15, 2003  | NYA   |   | 43248   | 2855  |  |  |  |  |  |
| A check in  | the amount of  | Paymonplete if Applicant electrics is attaction                       | ent of Fee<br>ts to pay the f                     | ee set forth in 37  |   |  |  |  |  |  |
| as describe Chair Chair Chair Chair Payment by WARNING                            | or is hereby authorized below.  arge the amount of edit any overpayment arge any additional for credit card. Form Position on this form. Provident | t.<br>ee required.<br>TO-2038 is attached<br><b>s form may beco</b> m | d.<br>e public. C                                 | redit card info   | rmation should<br>on PTO-2038.  | I not be                                       |  |  |  |  |
| I certify that this account is bein   | de of Transmission be document and authoriza g facsimile transmitted emark Office (Fa  | tion to charge deposit  | I hereby of with the Uas first "Commiss 22313-145 | certify that this con<br>Inited States Posta<br>class mail in | respondence is be<br>al Service with suffi<br>an envelope a<br>P.O. Box 1450, Ale<br>on | ing deposited cient postage ddressed to        |  |  |  |  |
| (Date)  | Signature  |   | Aug   | (Date) onu  | a Mane,<br>son Mailing Corresp.   |  |  |  |  |  |
| Tuned on I  | Printed Name of Person Sig   | wing Cartificate  | Tun   |   | ia Mancini of Person Mailing C  | artificato                                     |  |  |  |  |
|   | ate may only be used int.  Signature Letier No. 46,372   |   |   | August 16, 2005   |   | стирише  |  |  |  |  |

cc:

128496-1

AND 18 2015

THE USE TED STATES PATENT AND TRADEMARK OFFICE

| APPLICANT:  | SIVAKUMAR, ET AL.   | )                                      |
|-------------|---|--|
| SERIAL NO.: | 10/619,642  | ) Group Art Unit: 2855<br>)            |
| FILED:      | JULY 15, 2003   | ) ) Before the Examiner: ) E. Mulvaney |
| FOR:        | LIMITED PLAY OPTICAL STORAGE<br>MEDIUM, METHOD FOR MAKING THE<br>SAME | )                                      |

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## <u>INFORMATION DISCLOSURE STATEMENT</u> <u>UNDER 37 CFR §§ 1.56, 1.97 AND 1.98</u>

Sir:

In compliance with the duty to disclose, submitted herewith is form PTO-A820 (PTO-1449) listing publication(s) of which those designated by 37 CFR § 1.56 are aware. Copies of the non-United States patents or published applications are enclosed.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or an admission that the information cited is, or is considered to be, material to patentability.

Respectfully submitted,

CANTOR COLBURN LLP

By:

Roberta L. Pelletier Registration No. 46,372

Customer No. 43248

Date:

Telephone:

August 16, 2005 (860) 286-2929

| PTO-1449   |   | Attorney's Docket Number 128496-1                |  |                   |              |                               |
|--|---|--|--|-------------------|--------------|-------------------------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT  LIST OF ITEMS |   | Name of Applicant Sivakumar et al                |  |                   |              |                               |
| l.,  | LIST OF ITENIS  |  | Filing Date                                  | Group             |              |                               |
| 1  | (Use several sheets if necess   | ary)   | 07/15/2003                                   | 2855              |              |                               |
| .: .   | OF  |  | T DOCUMENTS                                  |                   |              |                               |
| _ Examiner<br>Initial  | Doctment Number   | Date   | NAME   | Class             | Subclass     | Filing Date<br>If Appropriate |
|  | NIE 18 TOTE S   |  |  |                   |              |                               |
|  | \a. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \   |  |  |                   |              |                               |
|  | ENT & TRAINES   | S. PATENT APPLI                                  | CATION PUBLICATIONS                          |                   |              |                               |
| Examiner<br>Initial  | Document Number   | Date   | NAME   | Class S           | Subclass     | Filing Date If Appropriate    |
|  | US 2002/0102499 A1  | 08-01-2002                                       | Krieg-Kowald                                 |                   |              |                               |
|  | US 2003/0207206 A1  | 11-06-2003                                       | Olson et al                                  |                   |              |                               |
|  | US 2004/0014859 A1  | 01-22-2004                                       | Ezbiansky et al                              |                   |              |                               |
|  | US 2004/0022986 A1  | 02-05-2004                                       | Van de Grampel et al                         |                   |              |                               |
| design.  | US 2004/0043254 A1  | 03-04-2004                                       | Wisnudel et al                               |                   |              |                               |
| ·~   | US 2004/0152014 A1  | 08-05-2004                                       | Breitung et al                               |                   |              | •                             |
|  | US 2005/0025988 A1  | 02-03-2005                                       | Wisnudel et al                               |                   |              |                               |
|  | US 2005/0051053 A1  | 03-10-2005                                       | Wisnudel et al                               |                   |              |                               |
| Examiner   | Document Number   | FOREIGN PATI                                     | ENT DOCUMENTS                                | 01   0            | N b l        | TRANSLATION                   |
| Initial  |   |  | COUNTRY                                      | Class S           | Subclass     | YES NO                        |
|  | JP 2001093190   | 04/06/2001                                       | Japan  |                   |              | X                             |
|  | JP 2000195100   | 07/14/2000                                       | Japan  |                   |              | X                             |
|  | JP 57150152   | 09/16/1982                                       | Japan  |                   |              | X                             |
|  | JP 59151346   | 08/29/1984                                       | Japan  |                   |              | X                             |
| or we a  | JP 05273691   | 10/22/1993                                       | Japan  |                   |              | Х                             |
| guardenis -  | JP 04238086   | 08/26/1992                                       | Japan  |                   |              | Х                             |
|  | JP 02018728   | 01/23/1990                                       | Japan  |                   |              | Х                             |
|  | JP 61260435   | 11/18/1986                                       | Japan  |                   |              | X                             |
|  | JP 02037539   | 02/07/1990                                       | Japan  |                   |              | X                             |
|  | OTHER IN  | FORMATION (inclu                                 | uding author, title, date, pertinent         | :)                |              |                               |
| _  |   |  |  |                   |              |                               |
| EXAMINER   |   |  |  | CONSIDERE         |              |                               |
| * EXAMINER: and not consid                                   | Initial if reference considered, wheth<br>lered. Include copy of this form with | er or not citation is in<br>next communication t | conformance with MPEP 609; Draw o applicant. | line through cita | ation if not | conformance                   |

| PTO-1449  |   |                                       | Attorney's Docket Number   Serial Number   128496-1   10/619,642 |                |                |                               |
|---|---|---------------------------------------|--|----------------|----------------|-------------------------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <u>LIST OF ITEMS</u>                  |   | Name of Applicant Sivakumar et al     |  |                |                |                               |
|   |   |                                       | Filing Date  | Group          |                |                               |
|   | (Use several sheets if necessary          |                                       | 07/15/2003<br>T DOCUMENTS  | 2855           |                |                               |
| Examiner<br>Initial   | Document Number                           | Date                                  | NAME   | Class          | Subclass       | Filing Date If Appropriate    |
|   |   |                                       |  |                |                |                               |
|   |   |                                       |  |                |                |                               |
|   | U.S. I                                    | PATENT APPLI                          | CATION PUBLICATIONS  | 1              | <u> </u>       |                               |
| Examiner<br>Initial   | Document Number                           | Date                                  | NAME   | Class          | Subclass       | Filing Date<br>If Appropriate |
|   |   |                                       |  |                |                |                               |
|   |   |                                       |  |                |                |                               |
| •   |   |                                       |  |                |                |                               |
|   |   |                                       |  |                |                |                               |
|   |   |                                       |  |                |                |                               |
|   |   |                                       |  |                |                |                               |
| ·   |   |                                       |  |                |                |                               |
|   |   |                                       |  |                |                |                               |
|   |   |                                       | NT DOCUMENTS   |                |                |                               |
| Examiner<br>Initial   | Document Number                           | Date                                  | COUNTRY  | Class          | Subclass       | TRANSLATION<br>YES NO         |
|   | JP 59124891                               | 07/19/1984                            | Japan  |                |                | Х                             |
|   | JP 58224448                               | 12/26/1983                            | Japan  |                |                | Х                             |
| forters a   | JP 57212634                               | 12/27/1982                            | Japan  |                |                | Х                             |
|   | JP 63218398                               | 09/12/1988                            | Japan  |                |                | Х                             |
|   | JP 61063489                               | 04/01/1986                            | Japan  |                |                | . X                           |
|   | JP 60127542                               | 07/08/1985                            | Japan  |                |                | Х                             |
|   | JP 60256944                               | 12/18/1985                            | Japan  |                |                | X                             |
|   | JP 60261046                               | 12/24/2005                            | Japan  |                |                | X                             |
|   |   |                                       |  |                |                |                               |
|   | OTHER INFO                                | RMATION (inclu                        | ding author, title, date, pertine                                | nt)            | •              |                               |
|   |   |                                       |  |                |                |                               |
| EXAMINER  |   | · · · · · · · · · · · · · · · · · · · | DATE   | CONSIDE        | RED            |                               |
| *EXAMINER:  | nitial if reference considered, whether o | r not citation is in o                | conformance with MPEP 609; Dray                                  | v line through | citation if no | t conformance                 |
| and not considered. Include copy of this form with next communication to applicant. |   |                                       |  |                |                |                               |

## PTO-1449 Attorney's Docket Number 128496-1 10/619,642 INFORMATION DISCLOSURE STATEMENT BY APPLICANT LIST OF ITEMS SIVAKUMAR, ET AL. Filing Date Group

(Use several sheets if necessary) JULY 15, 2003 2855 **U.S. PATENT DOCUMENTS** Examiner Document Number NAME Class Filing Date Date Subclass If Appropriate Initial 2,485,197 10/18/1949 Grossmann et al. 2,848,462 08/19/1958 Gutzwiller et al. 3,312,655 04/04/1967 Dien 3,945,979 03/23/1976 Kobayashi et al. 06/01/1976 3,960,751 Moriyama et al. 4,457,855 07/03/1984 Sudbury et al. 4,689,171 08/25/1987 Blunck et al. 4,807,220 02/21/1989 Miyai et al. 4,983,505 01/08/1991 Higuchi et al. 4,997,903 03/05/1991 Okamoto Krutak et al. 4,999,418 03/12/1991 5,820,691 10/13/1998 Hartman 6.013.145 01/11/2000 Amo et al. 6,165,299 12/26/2000 Guan et al. 05/08/2001 US 6,228,933 B1 Hiles 06/12/2001 Kawakubo et al. US 6,246,656 B1 08/13/2002 Rollhaus et al. US 6,434,109 B2 US 6,531,262 B1 03/11/2003 Lawandy et al. US 6,589,626 B2 07/08/2003 Selinfreund et al. US 6,590,856 B2 07/08/2003 Tsukagoshi et al. US 6,733,950 B2 05/11/2004 Breitung et al. US 6,756,103 B2 06/29/2004 Thompson et al. US 6,866,909 B2 03/15/2005 Wisnudel et al.

EXAMINER DATE CONSIDERED

<sup>\*</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

## Attorney's Docket Number Serial Number PTO-1449 128496-1 10/619,642 INFORMATION DISCLOSURE STATEMENT BY APPLICANT Name of Applicant **LIST OF ITEMS** Sivakumar et al **Filing Date Group Art Unit** (Use several sheets if necessary) 07/15/2003 2855 FOREIGN PATENT DOCUMENTS Date COUNTRY Class Subclass TRANSLATION YES NO **Document Number** WO 01/29828 26.04.2001 PCT Х WO 02/099470 12.12.2002 PCT Х EP 0 737 965 16.10.1996 European Х GB 958,924 27.05.1964 **Great Britain** Х WO 98/31011 16.07.98 PCT $\overline{\mathsf{x}}$ OTHER INFORMATION (including author, title, date, pertinent) JP 2001093190 A; Publication Date: 04-06-2001 (translation of abstract only) JP 2000195100 A; Publication Date: 07-14-2000 (translation of abstract only) JP 57150152 A; Publication Date: 09-16-1982 (translation of abstract only) JP 59151346; Publication Date: 08-29-1984 (translation of abstract only) JP 05273691; Publication Date: 10-22-1993 (translation of abstract only) JP 04238086 A; Publication Date: 08-26-1992 (translation of abstract only) JP 02018728 A; Publication Date: 01-23-1990 (translation of abstract only) JP 61260435 A; Publication Date: 11-18-1986 (translation of abstract only) JP 02037539; Publication Date: 02-07-1990 (translation of abstract only) JP 59124891 A; Publication Date: 07-1-1984 (translation of abstract only) JP 58224448 A; Publication Date: 12-26-1983 (translation of abstract only) JP 57212634; Publication Date: 12-27-1982 (translation of abstract only) JP 63218398 A; Publication Date: 09-12-1988 (translation of abstract only) JP 61063489 A; Publication Date: 04-01-1986 (translation of abstract only) JP 60127542 A; Publication Date: 07-08-1985 (translation of abstract only) **EXAMINER DATE CONSIDERED** \* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance

and not considered. Include copy of this form with next communication to applicant.

|               | PTO-1449  | Attorney's Docket Number<br>  128496-1   | 10/619,642                    |  |  |
|---------------|---|--|-------------------------------|--|--|
| INFORMATION D | DISCLOSURE STATEMENT BY APPLICANT LIST OF ITEMS   | Name of Applicant<br>Sivakumar et al   |                               |  |  |
| (Us           | se several sheets if necessary)   | Filing Date 07/15/2003   | Group Art Unit<br>2855        |  |  |
|               | OTHER INFORMATION (including author, title, date, pertinent)  |  |                               |  |  |
| / JP          | 60256944 A; Publication Date: 12-18-1985  | (translation of abstract only)   |                               |  |  |
| / JP          | 60261046 A; Publication Date: 12-24-1985  | (translation of abstract only)   |                               |  |  |
| Int           | ernational Search Report; International App   | olication No. PCT/US2004/022482; Da  | te of Mailing 12-14-2004      |  |  |
|               | ex, J.E., et al "Permeabilities of Radiation C<br>strumentation, Part C, Radiation Physics ar                   |  |                               |  |  |
|               | rson, E.G., et al. "Properties of Radiation C<br>strumentation, Part C, Radiation Physics an                    |  |                               |  |  |
|               |   |  |                               |  |  |
|               |   |  |                               |  |  |
|               |   |  |                               |  |  |
|               |   | His Manage William Co.   |                               |  |  |
|               |   |  | <del></del>                   |  |  |
|               |   |  |                               |  |  |
|               |   |  |                               |  |  |
|               |   |  |                               |  |  |
|               |   |  |                               |  |  |
|               |   |  |                               |  |  |
|               |   |  |                               |  |  |
|               |   |  |                               |  |  |
|               |   |  |                               |  |  |
|               |   |  |                               |  |  |
|               |   | A STATE OF THE STA |                               |  |  |
|               |   |  |                               |  |  |
|               |   |  |                               |  |  |
|               |   |  |                               |  |  |
|               |   | to the same of the |                               |  |  |
|               | •   |  |                               |  |  |
|               |   | I  |                               |  |  |
| EXAMINER      |   | DATE CONSIDE   |                               |  |  |
|               | I if reference considered, whether or not citation is in<br>Include copy of this form with next communication t |  | n citation if not conformance |  |  |